

20120701 000000

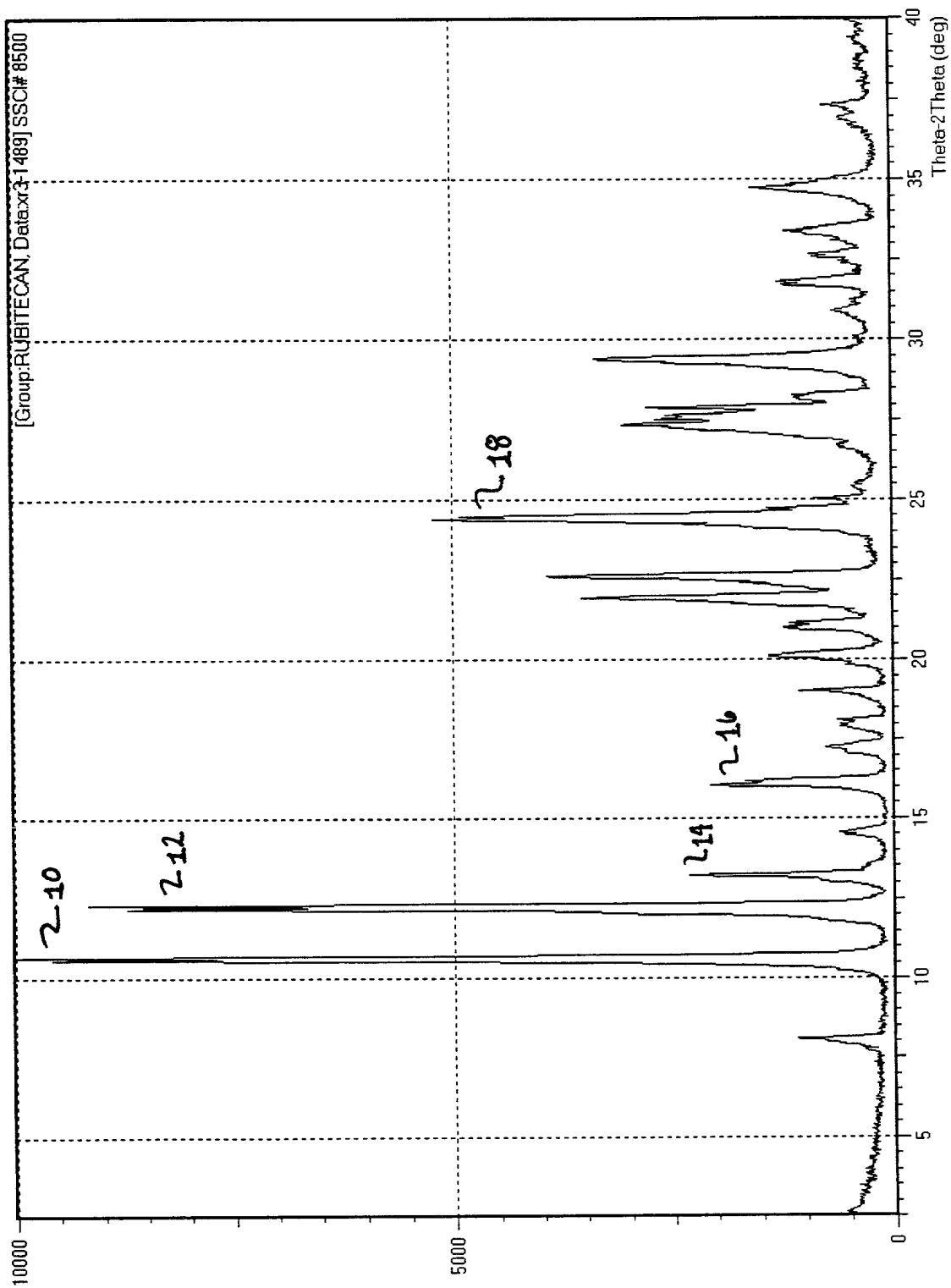


FIG. 1

DSC (bottom) and TGA (top) of Rubitecan Form A.

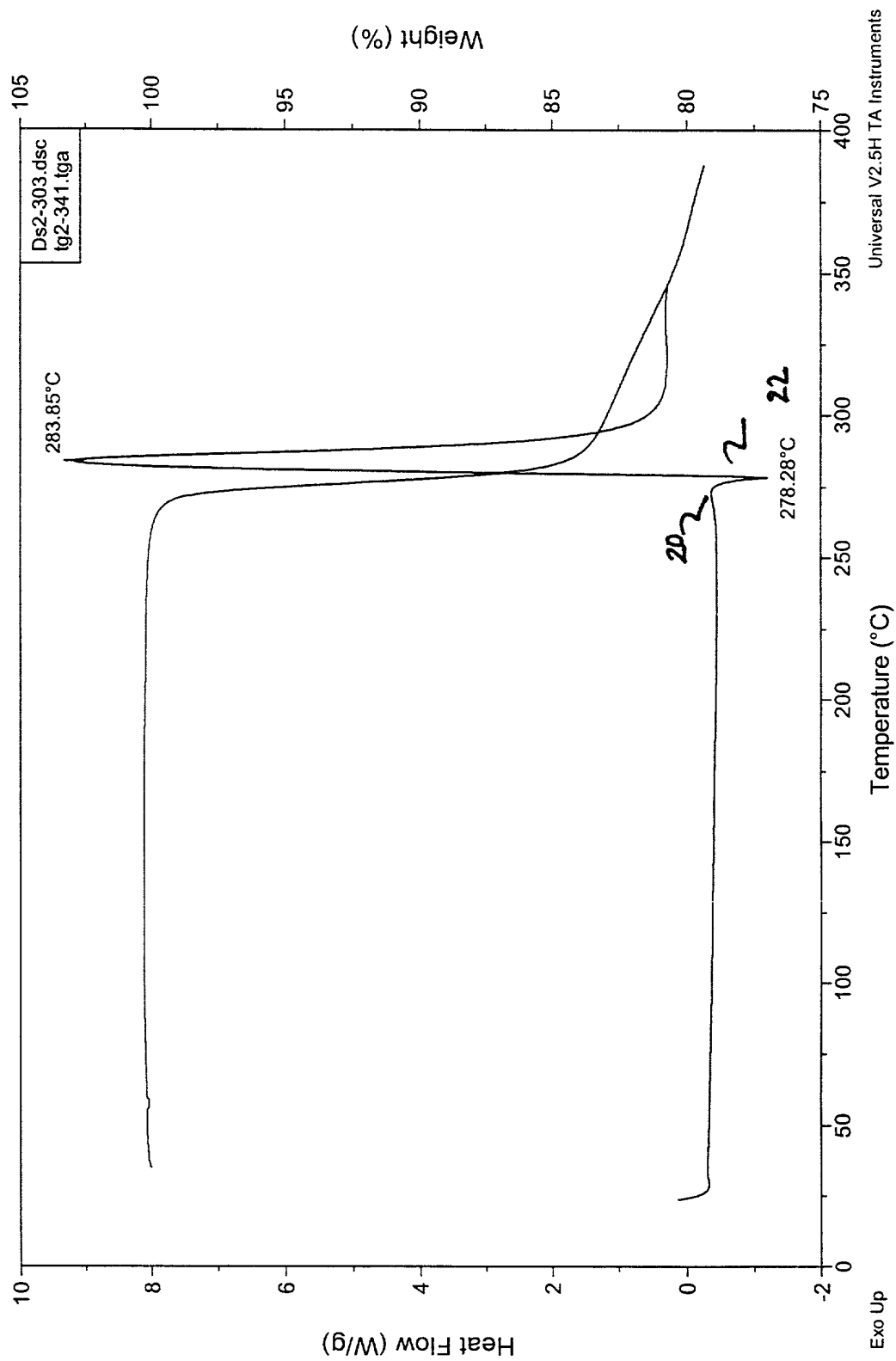


FIG. 2

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:06:50 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture 69.00

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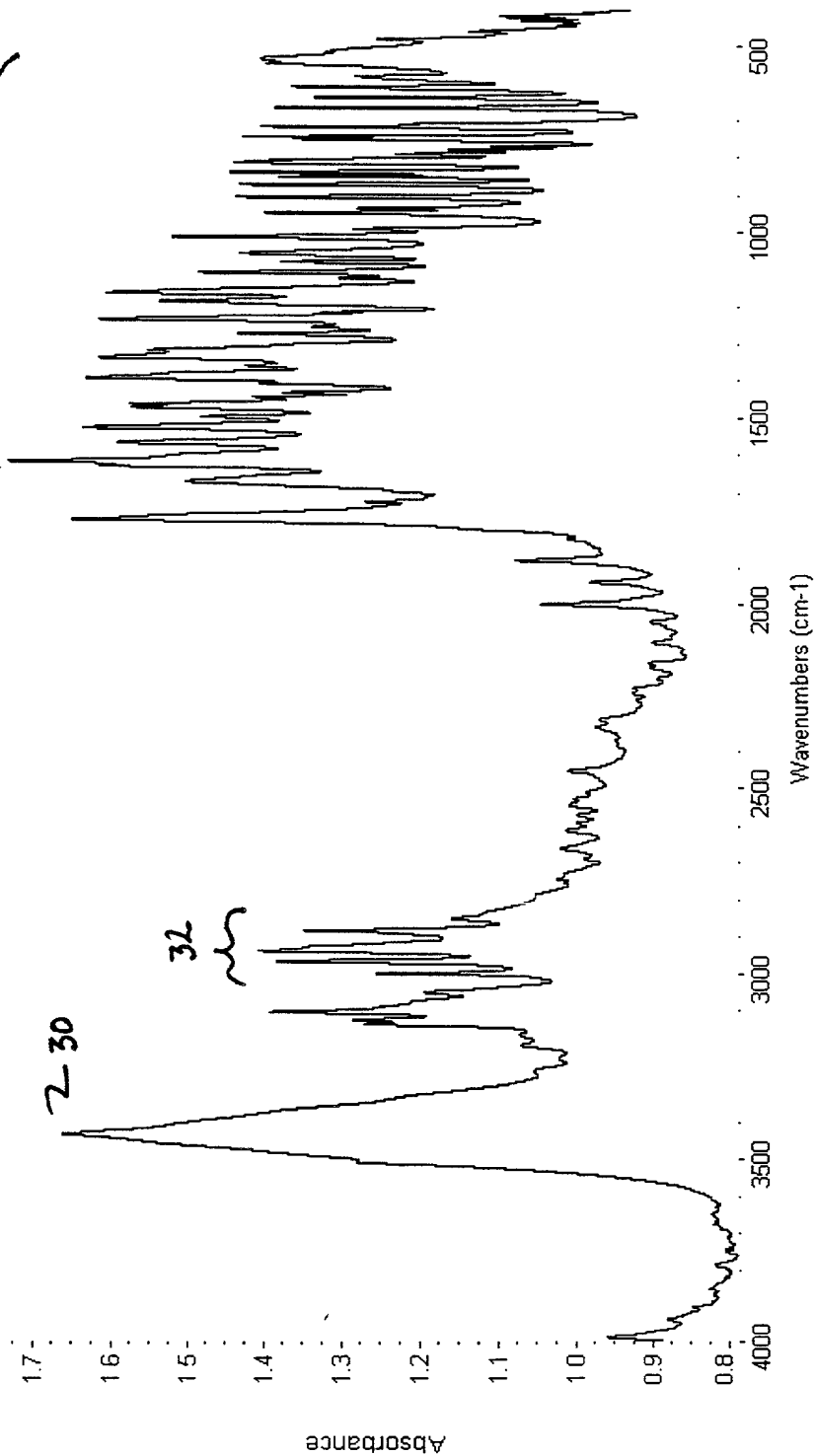


FIG. 3

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:43:15 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

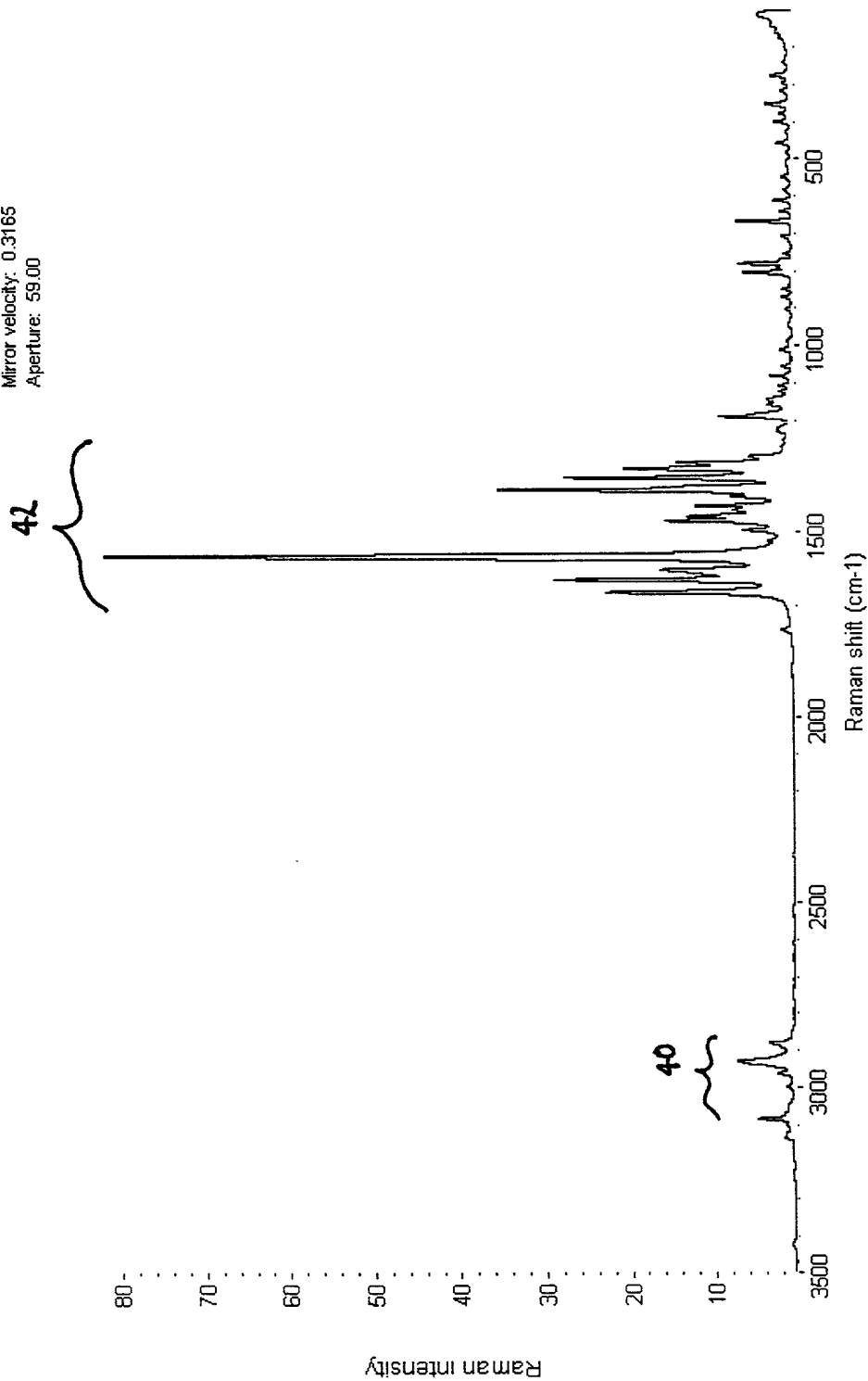
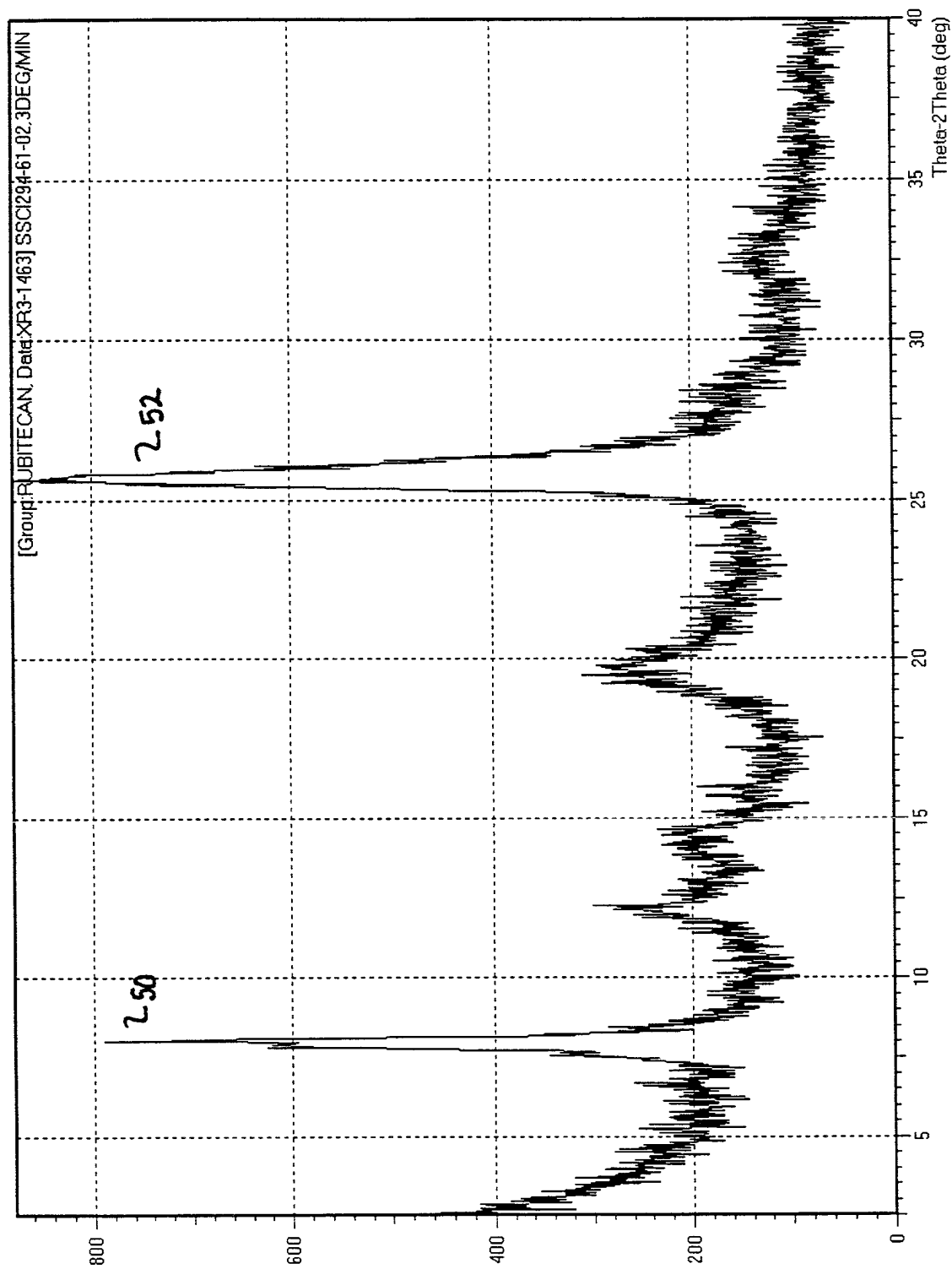


FIG. 4

FIG. 5



DSC (bottom) and TGA (top) of Rubitecan Form B.

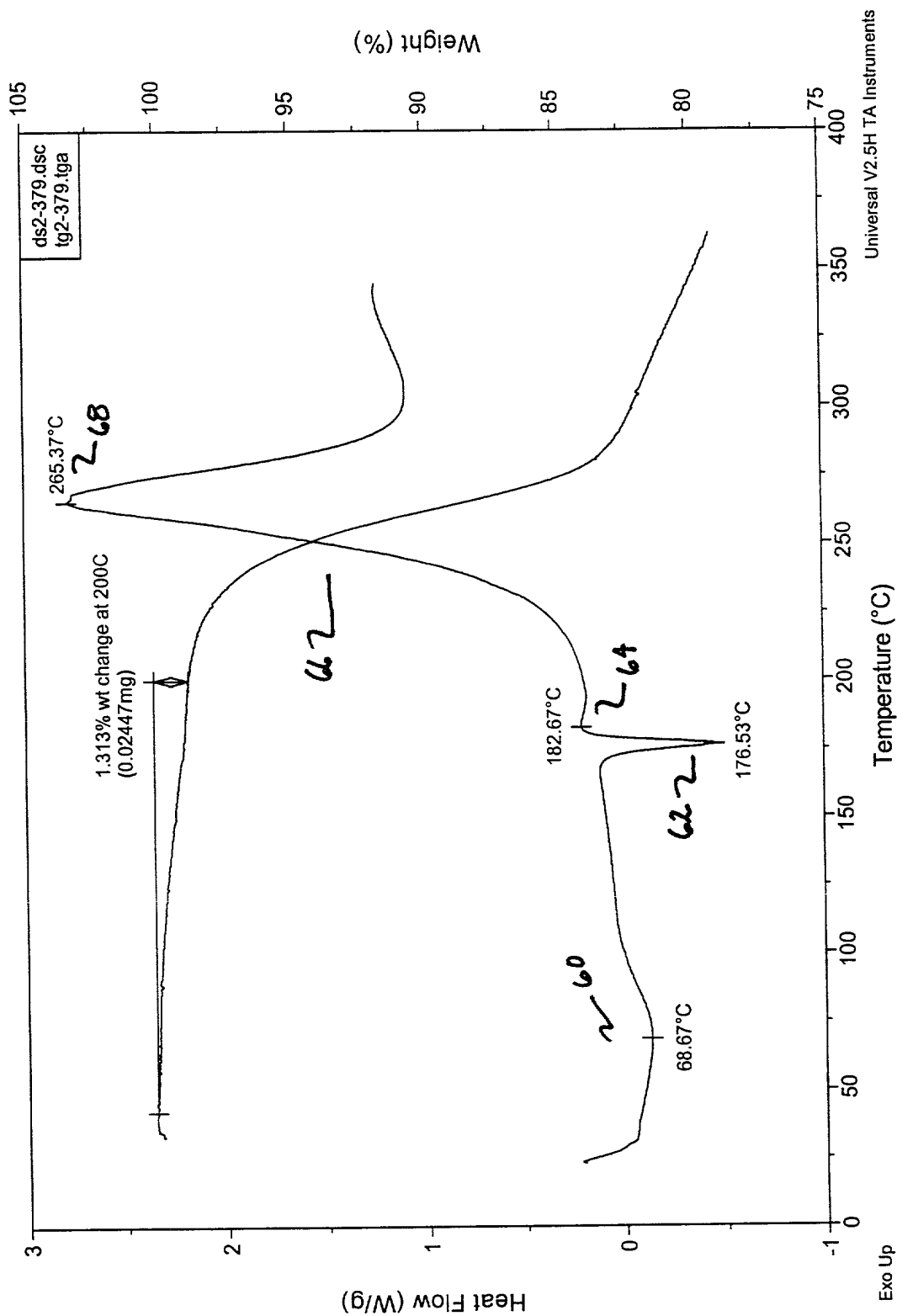
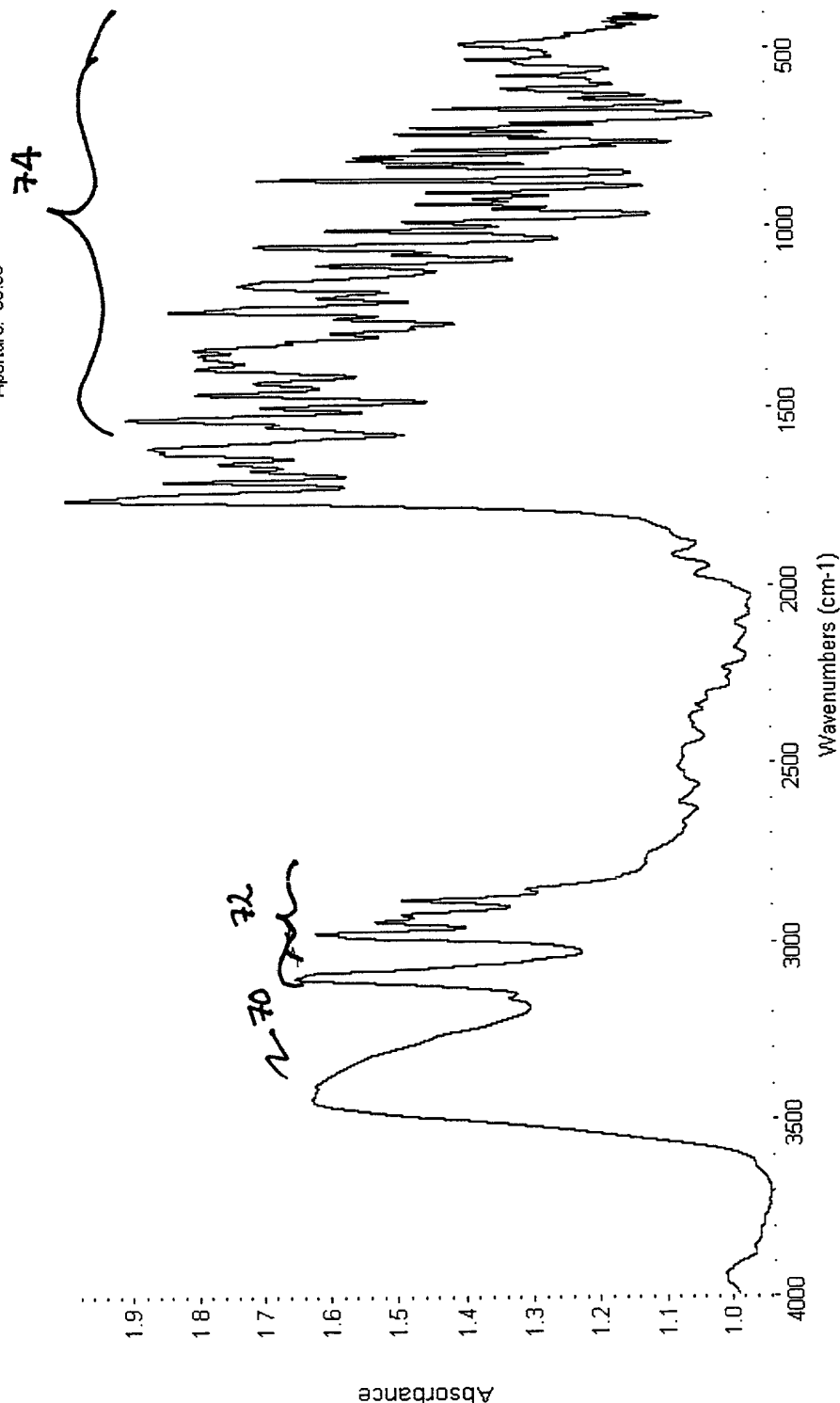


FIG. 6

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:31:51 2000
 Number of sample scans: 128
 Number of background scans: 128
 Resolution: 2.000
 Sample gain: 8.0
 Mirror velocity: 0.6329
 Aperture: 69.00



Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:08:40 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

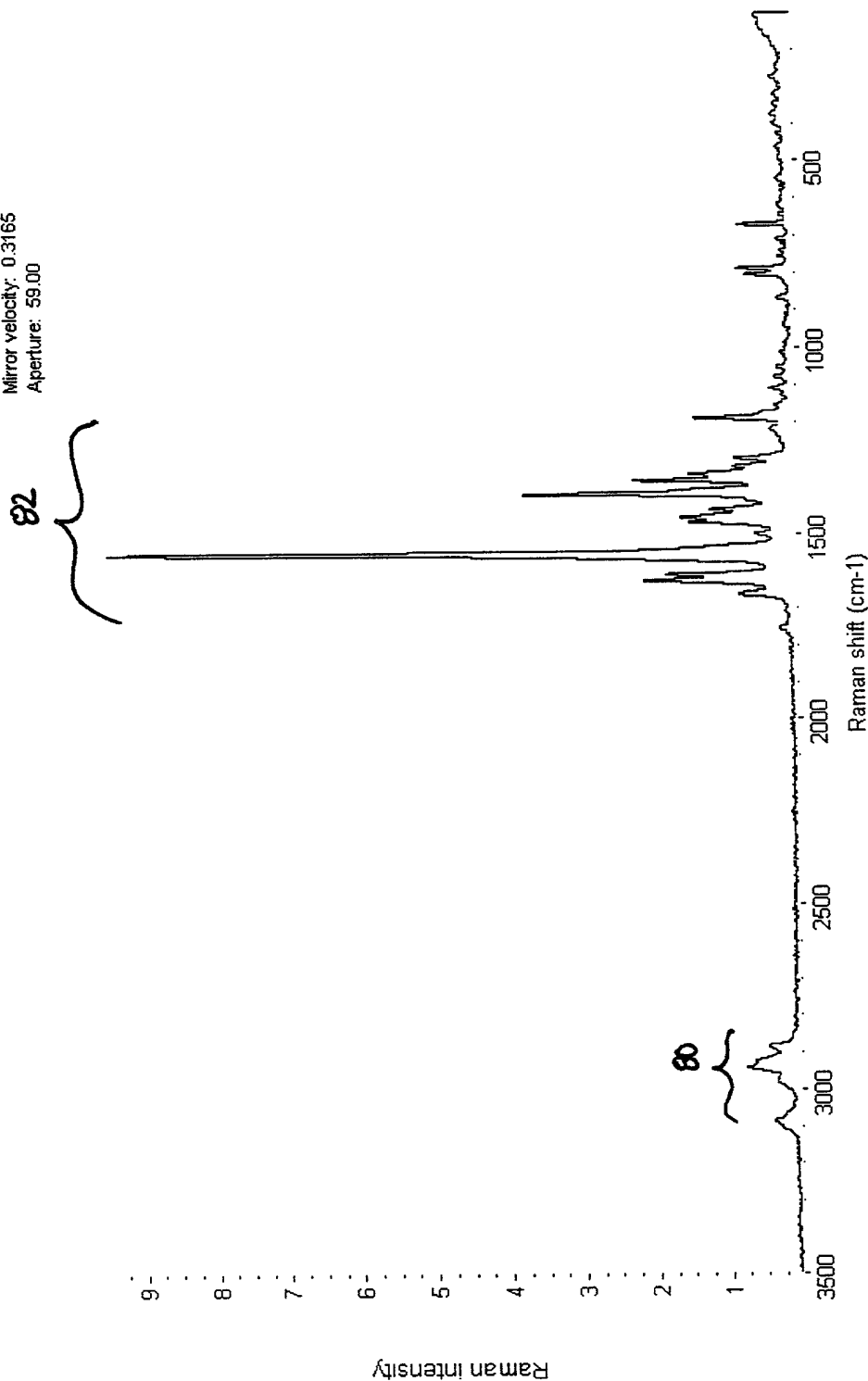


FIG. 8

201220" 6002800

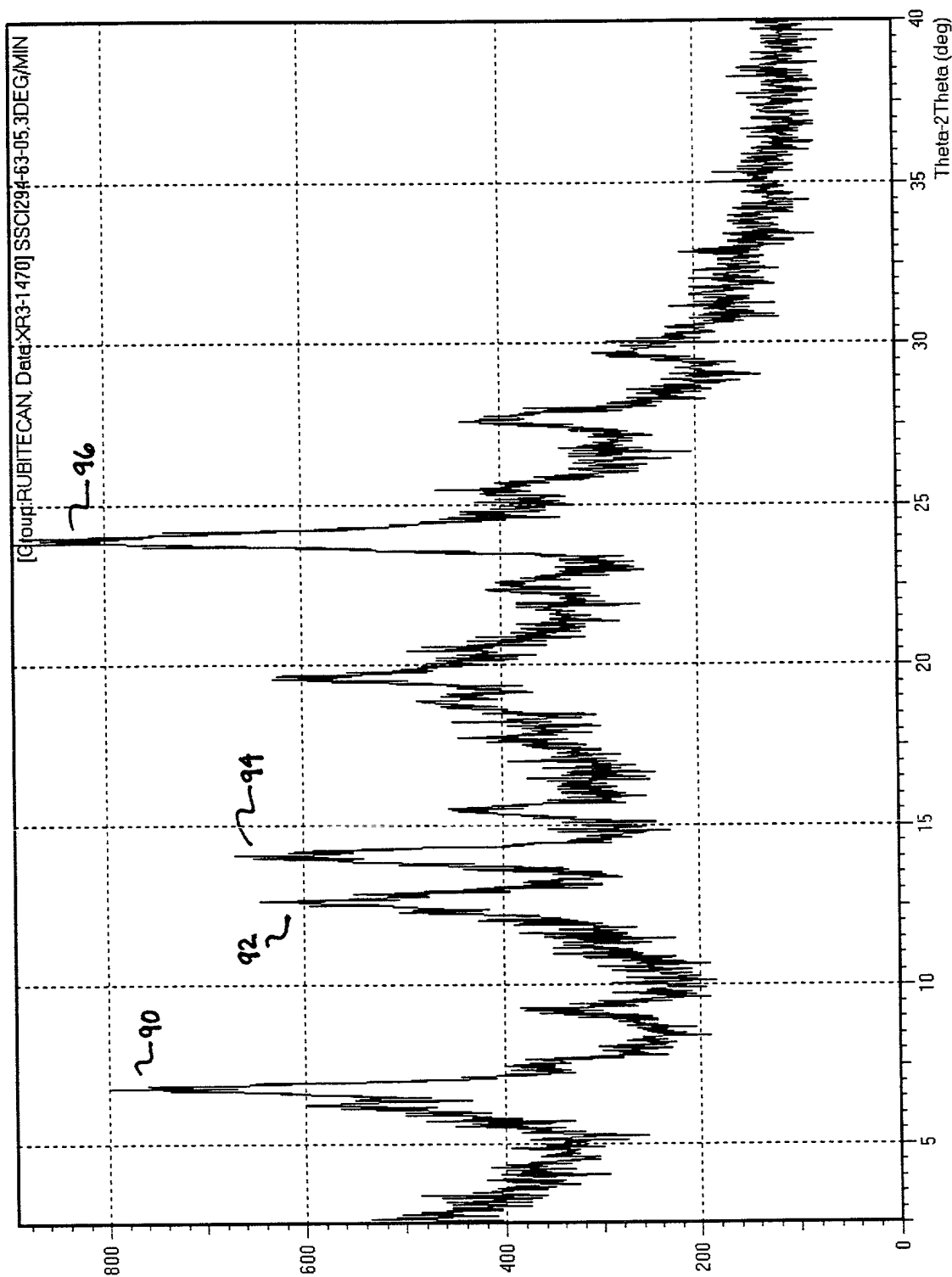


FIG. 9

DSC (bottom) and TGA (top) of Rubitecan Form C.

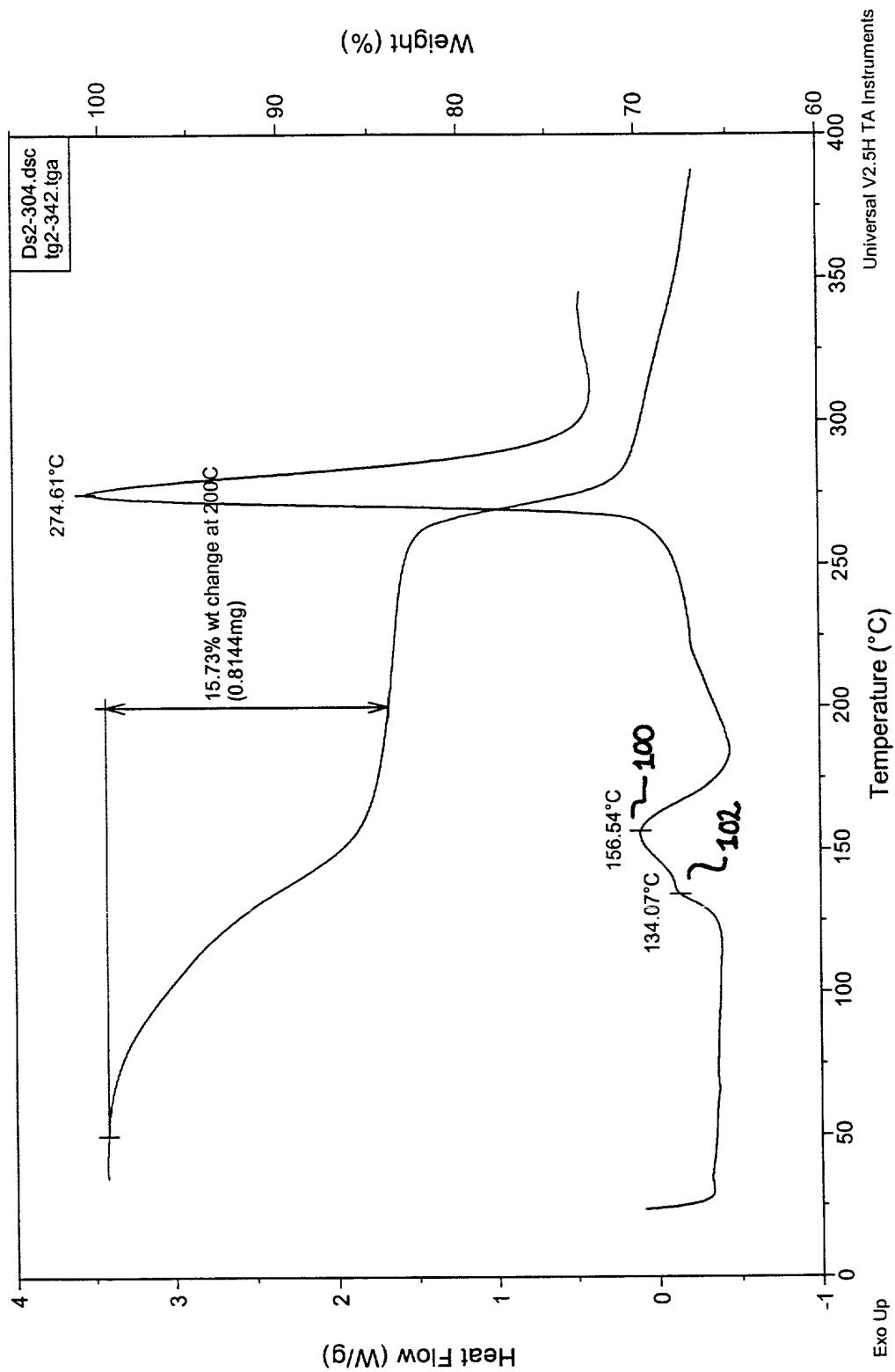


FIG. 10

201220" 60026001

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:40:03 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

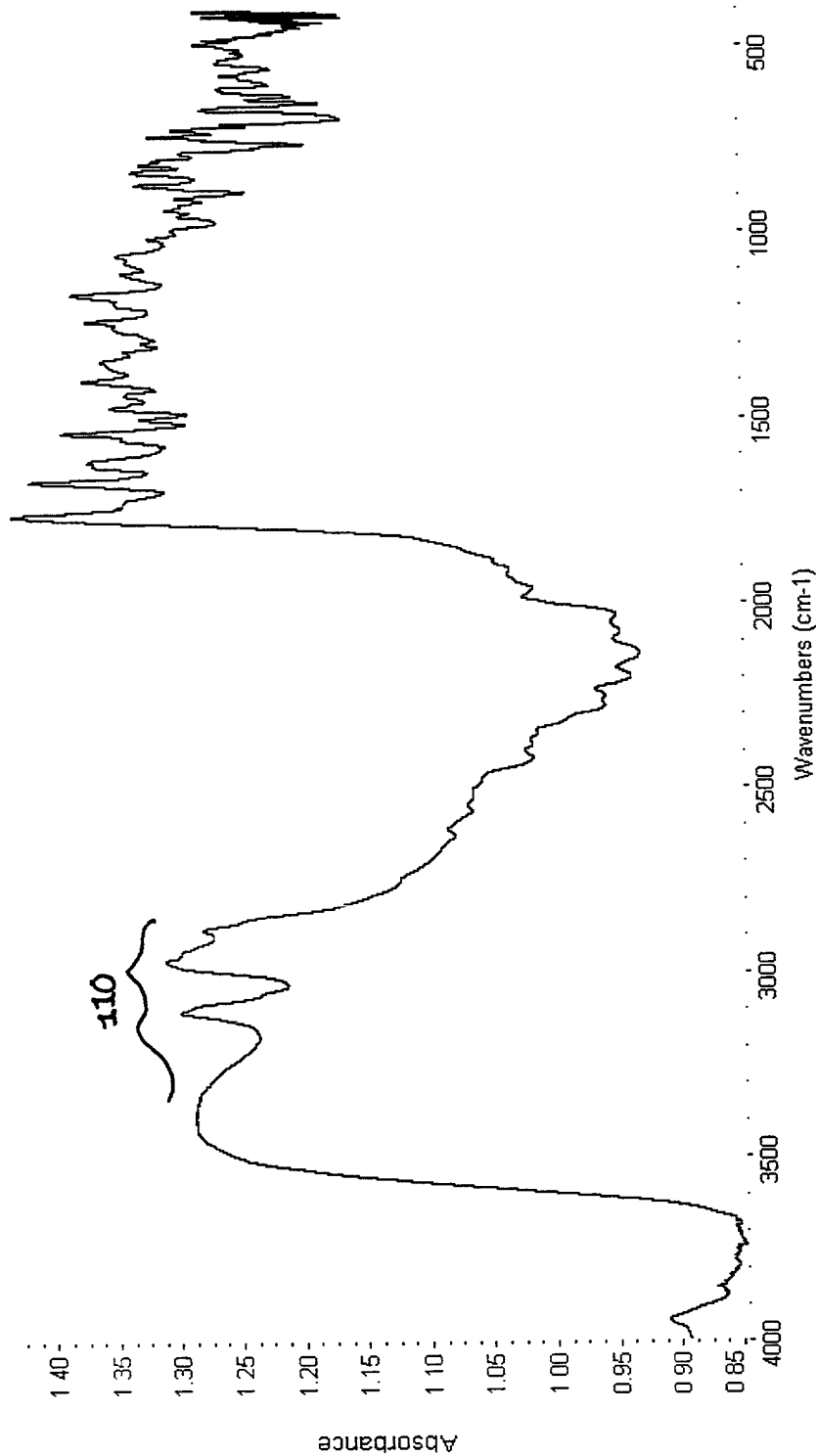


FIG. 11

2017-20-60028001

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:02:29 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

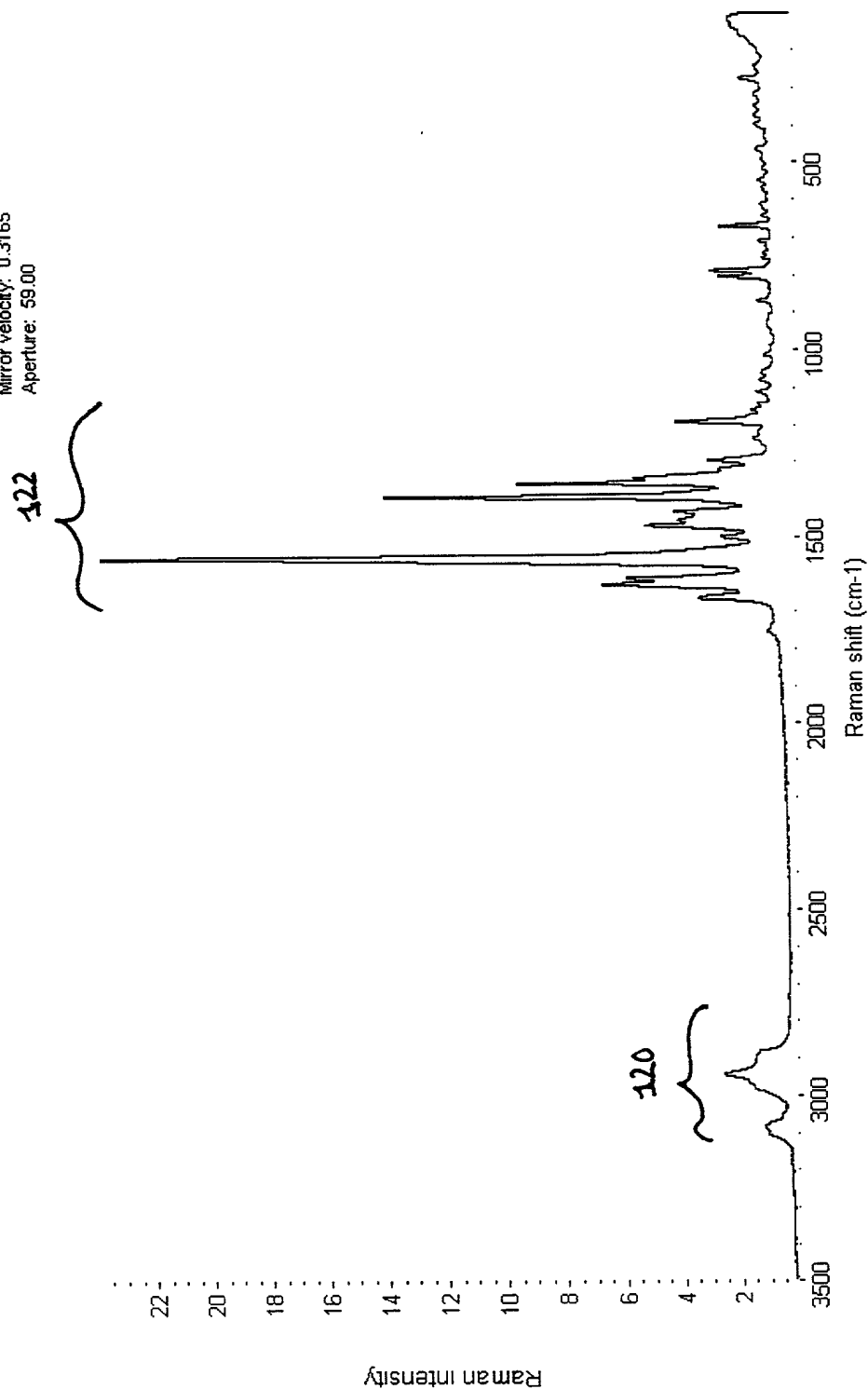


FIG. 12

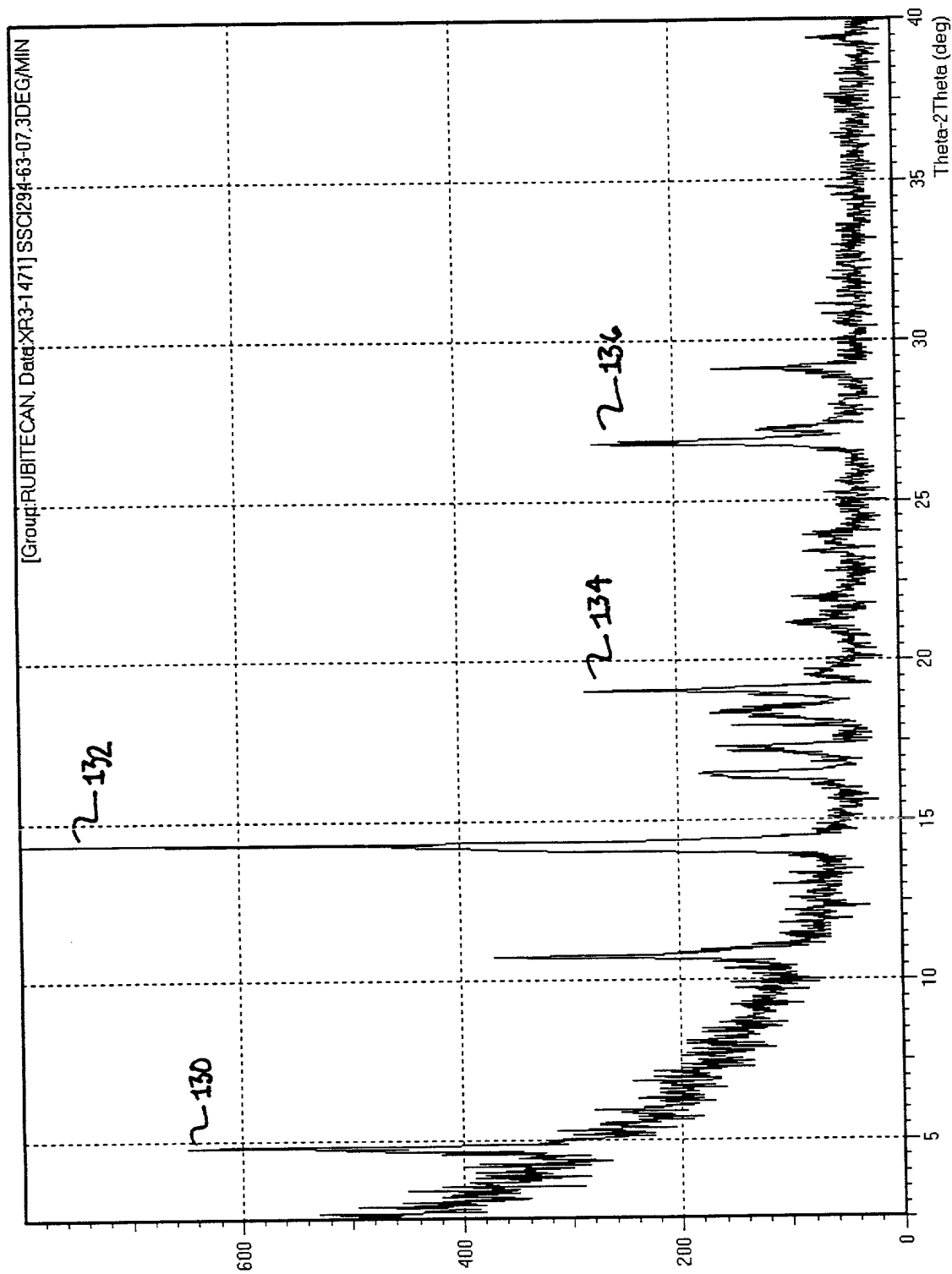


FIG. 13

DSC (bottom) and TGA (top) of Rubitecan Form D.

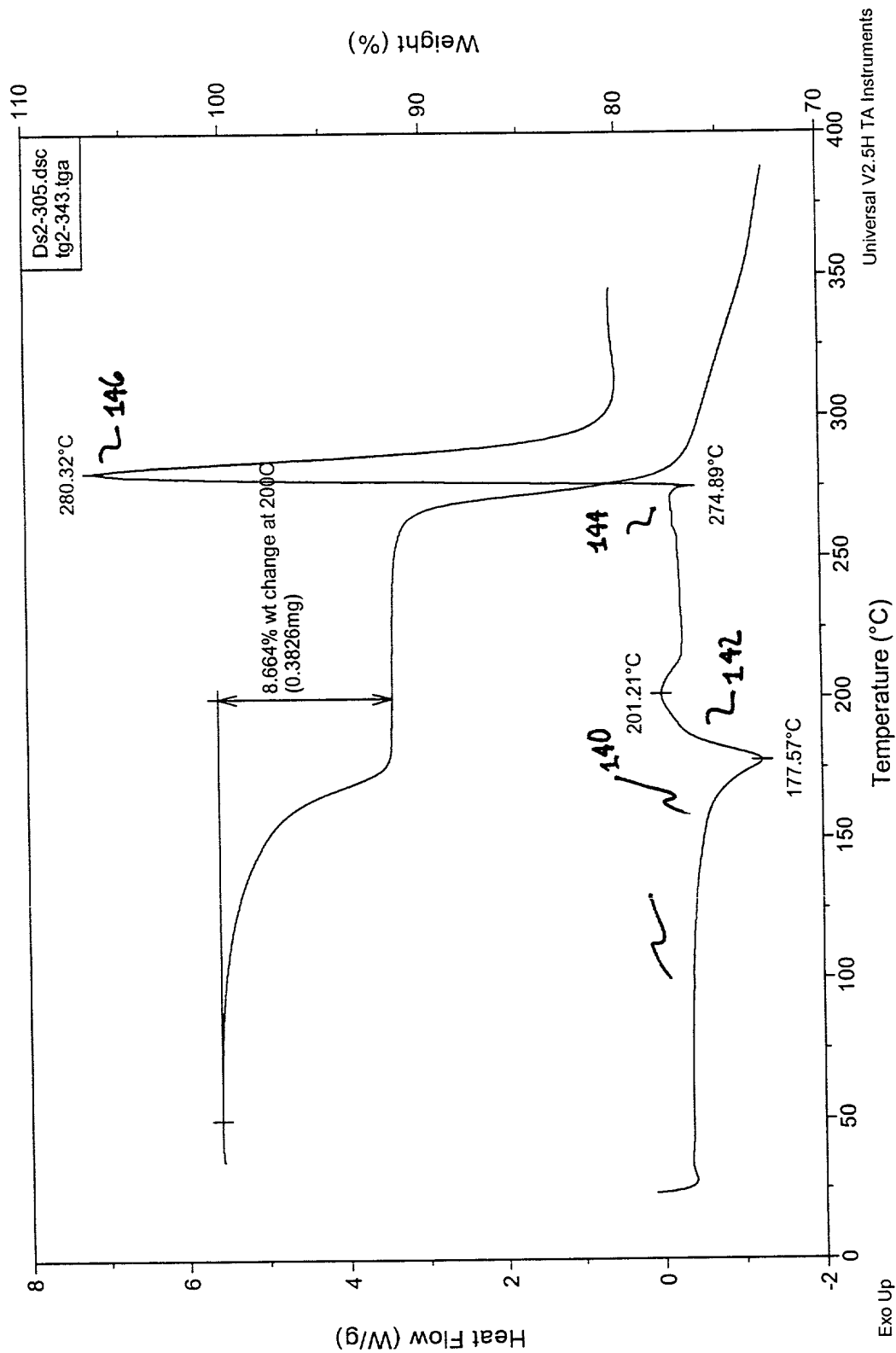


FIG. 14

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:22:39 2000
 Number of sample scans: 128
 Number of background scans: 128
 Resolution: 2.000
 Sample gain: 8.0
 Mirror velocity: 0.6329
 Aperture: 69.00

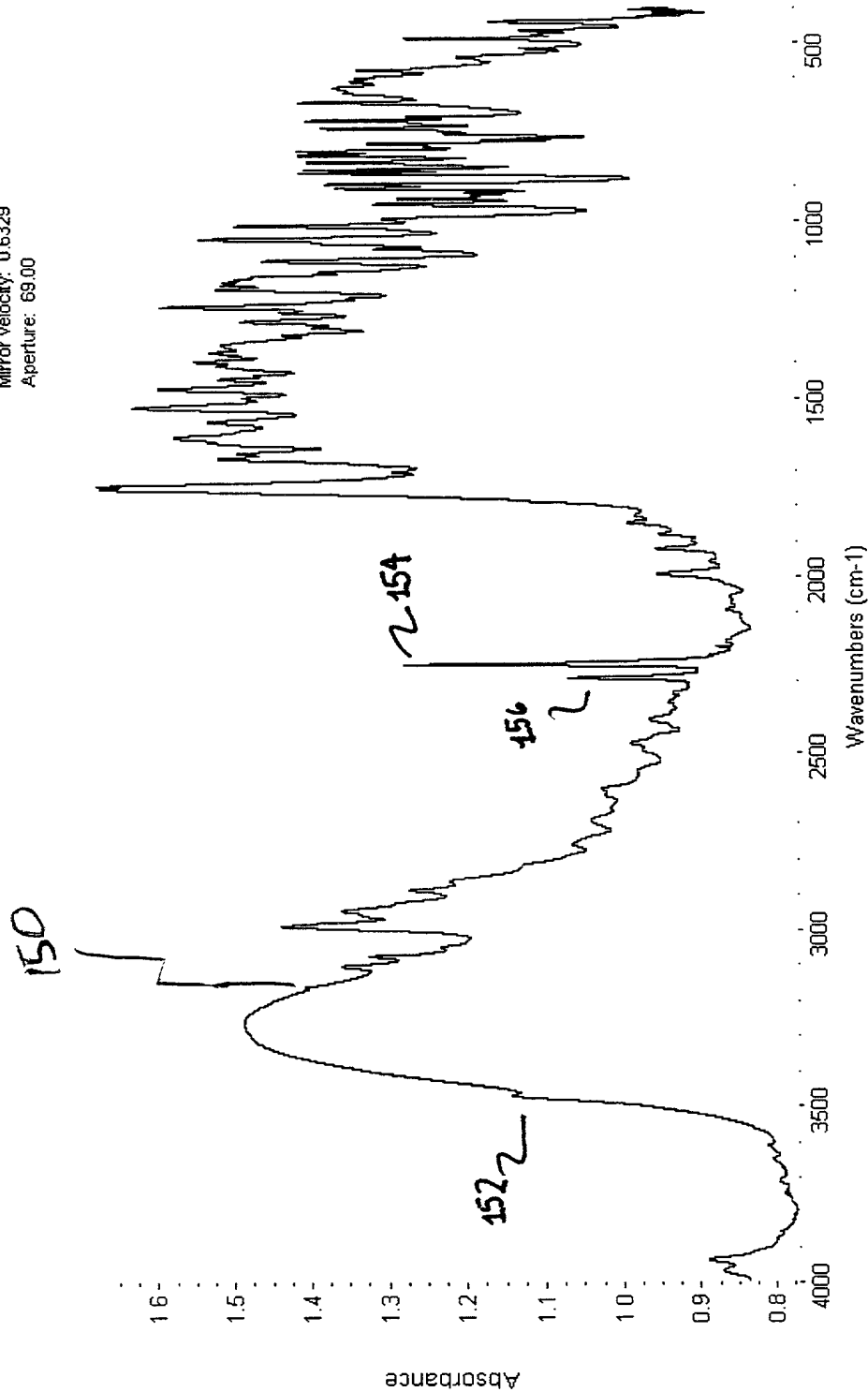


FIG. 15

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:49:39 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

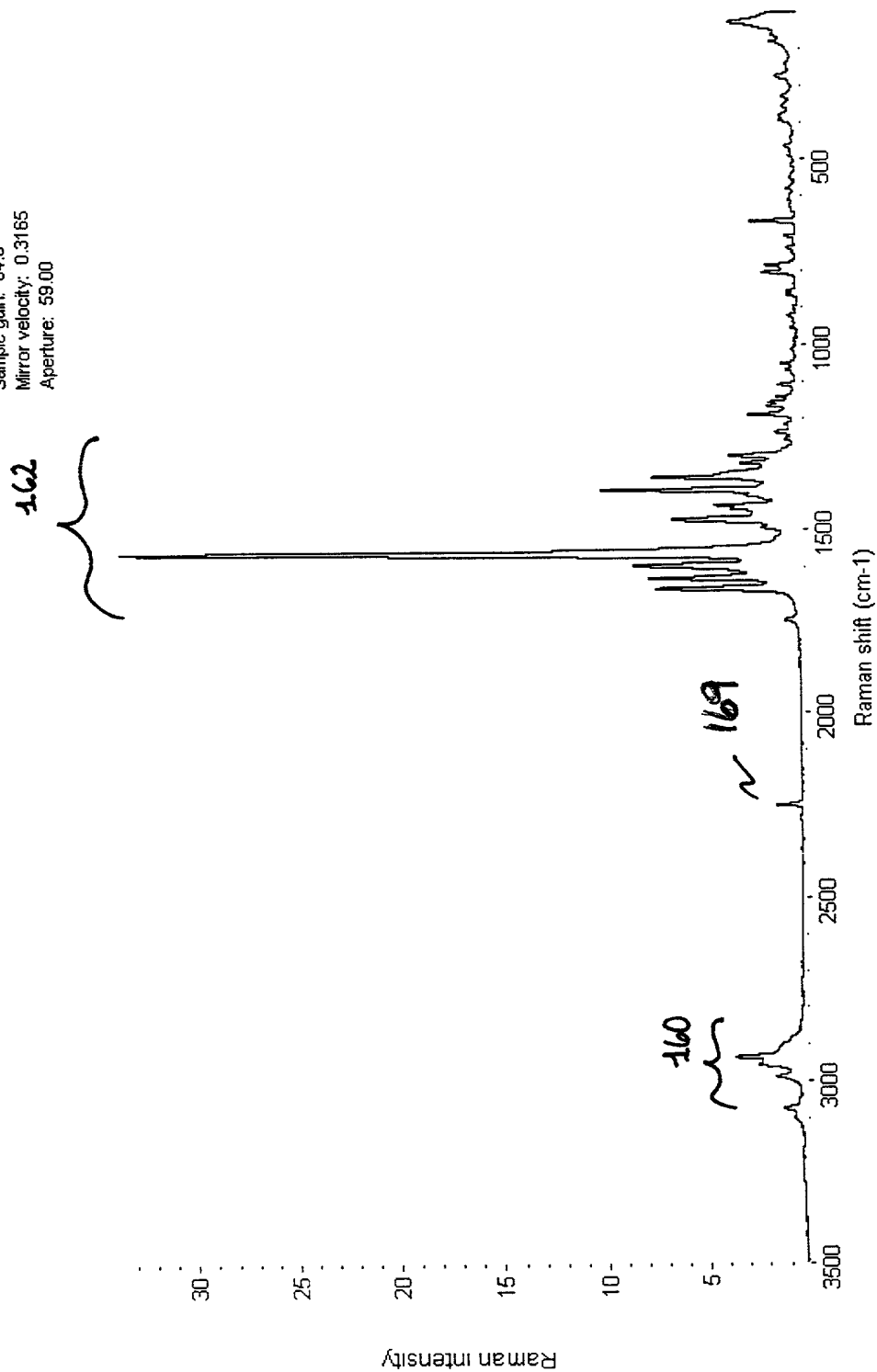


FIG. 16

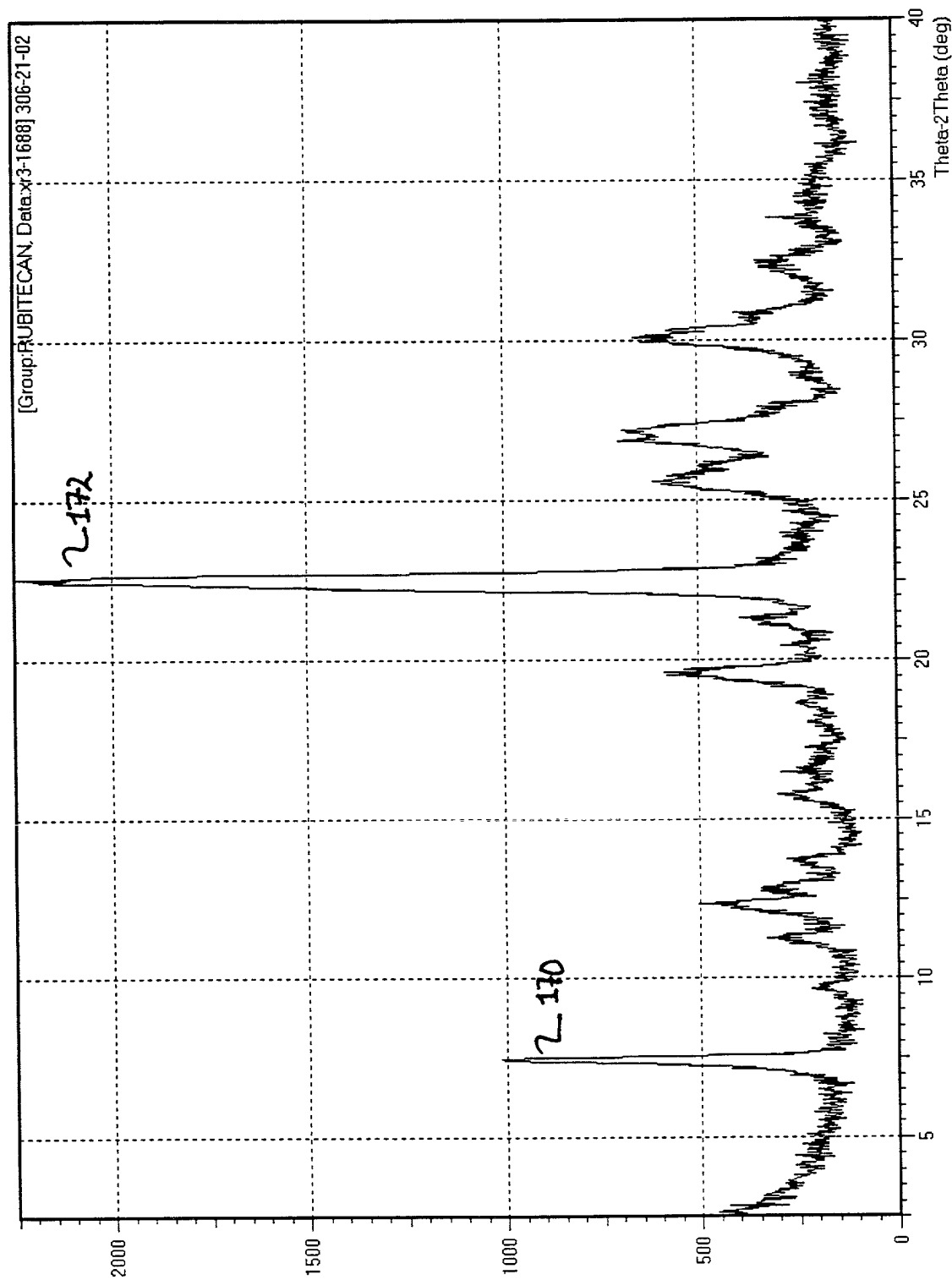
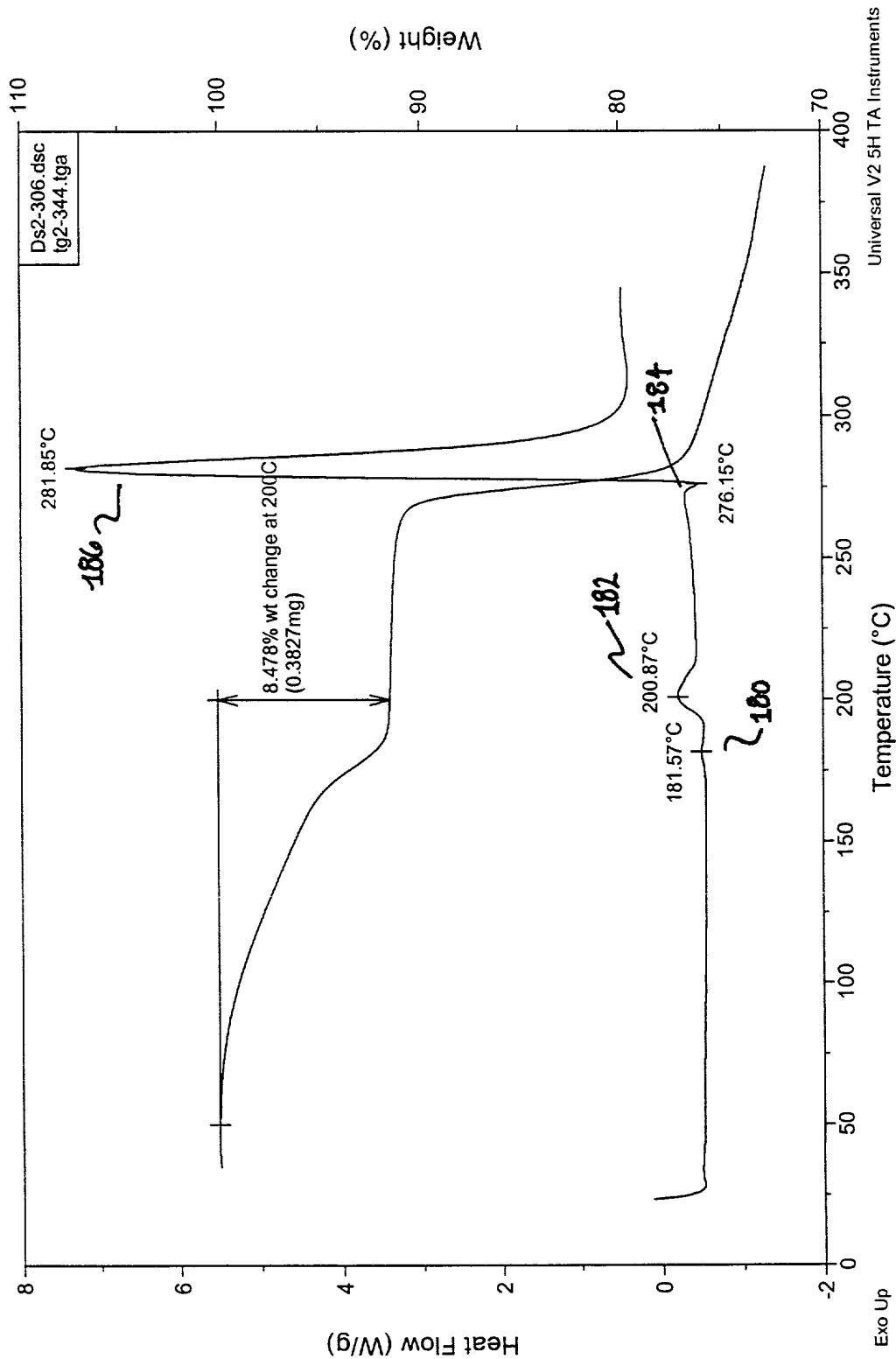


FIG. 17

DSC (bottom) and TGA (top) of Rubitecan Form E.



IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:14:49 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

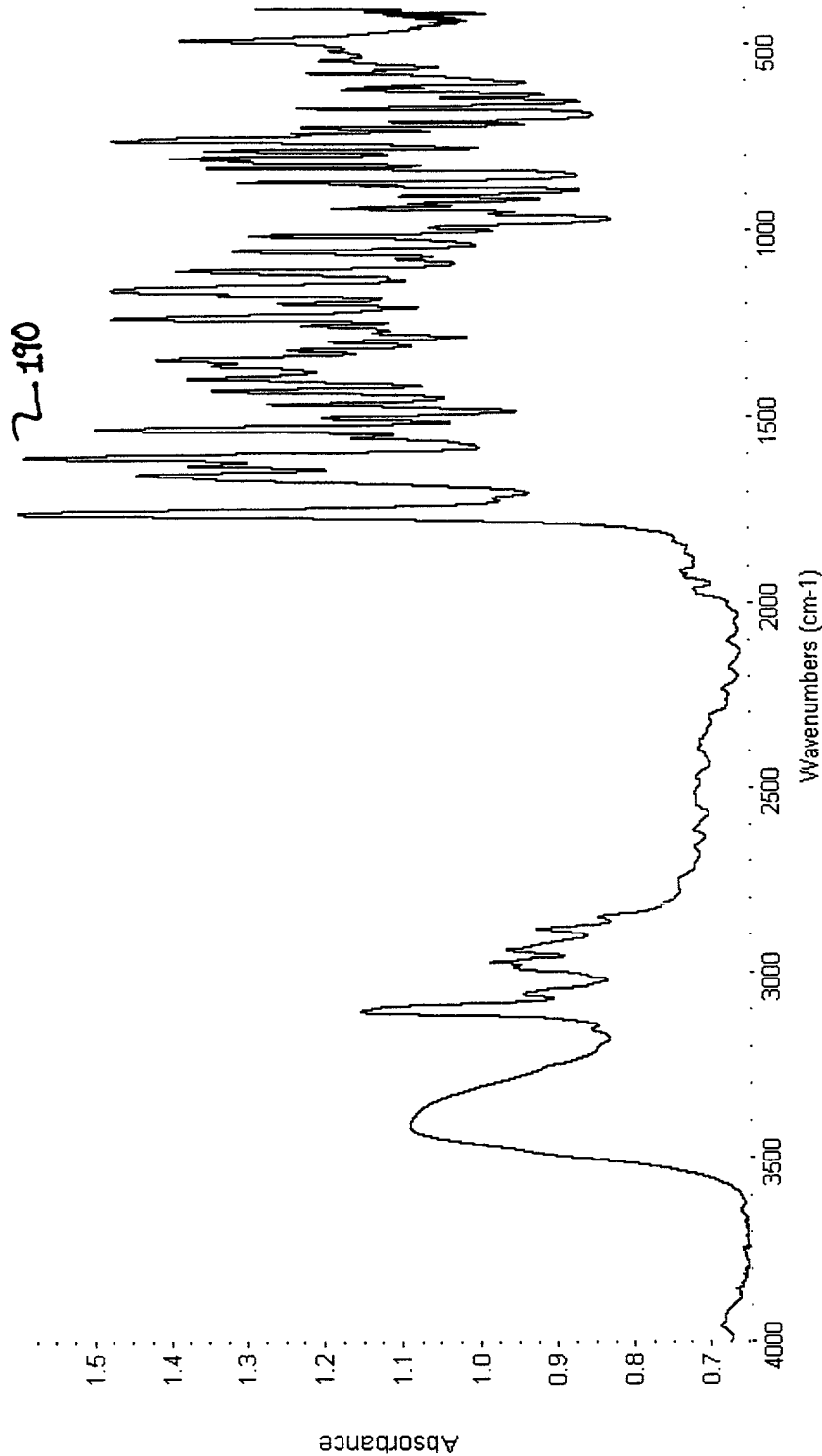


FIG. 19

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:55:54 2000
 Number of sample scans: 128
 Number of background scans: 0
 Resolution: 4.000
 Sample gain: 64.0
 Mirror velocity: 0.3165
 Aperture: 59.00

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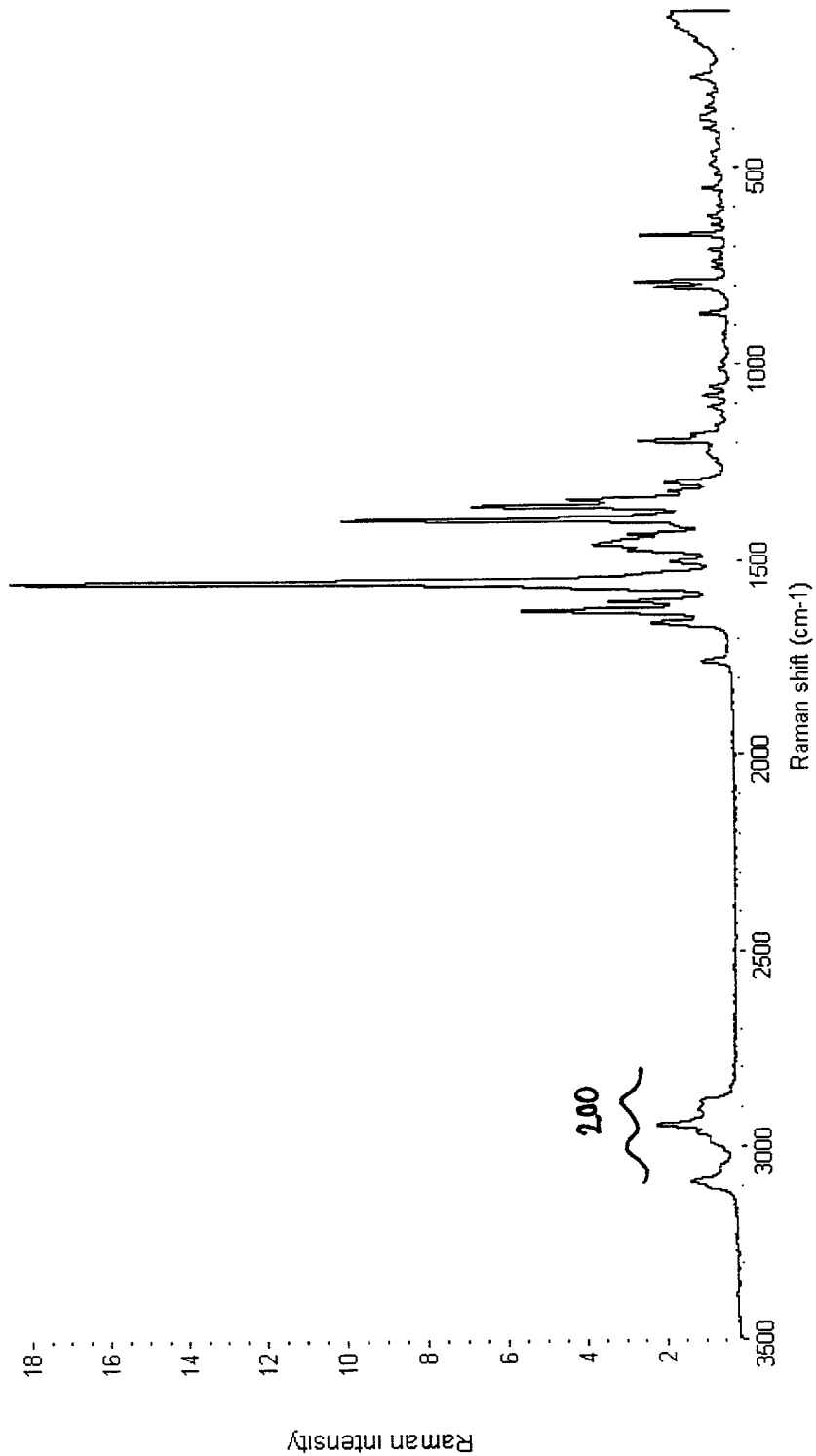


FIG. 20

[Group: RUBITECAN, Data: XR3-2889] DMF/25%H₂O, RUBITECAN

Intensity (a.u.)

2-theta (deg)

Peaks labeled:

- 214
- 210
- 211

FIG. 21

“Unedited” Footprint
TGA of Rubitecan Form F.

Sample: RUBITECAN
Size: 0.6500 mg
Method: RUBITECAN
Comment: SSC# 3131902, DMF/25%H₂O, A VS C, NTBK 270-62

TGA

File: D:\... \dstgaltg2-378.tga
Operator: BAC
Run Date: 4-Apr-00 10:07

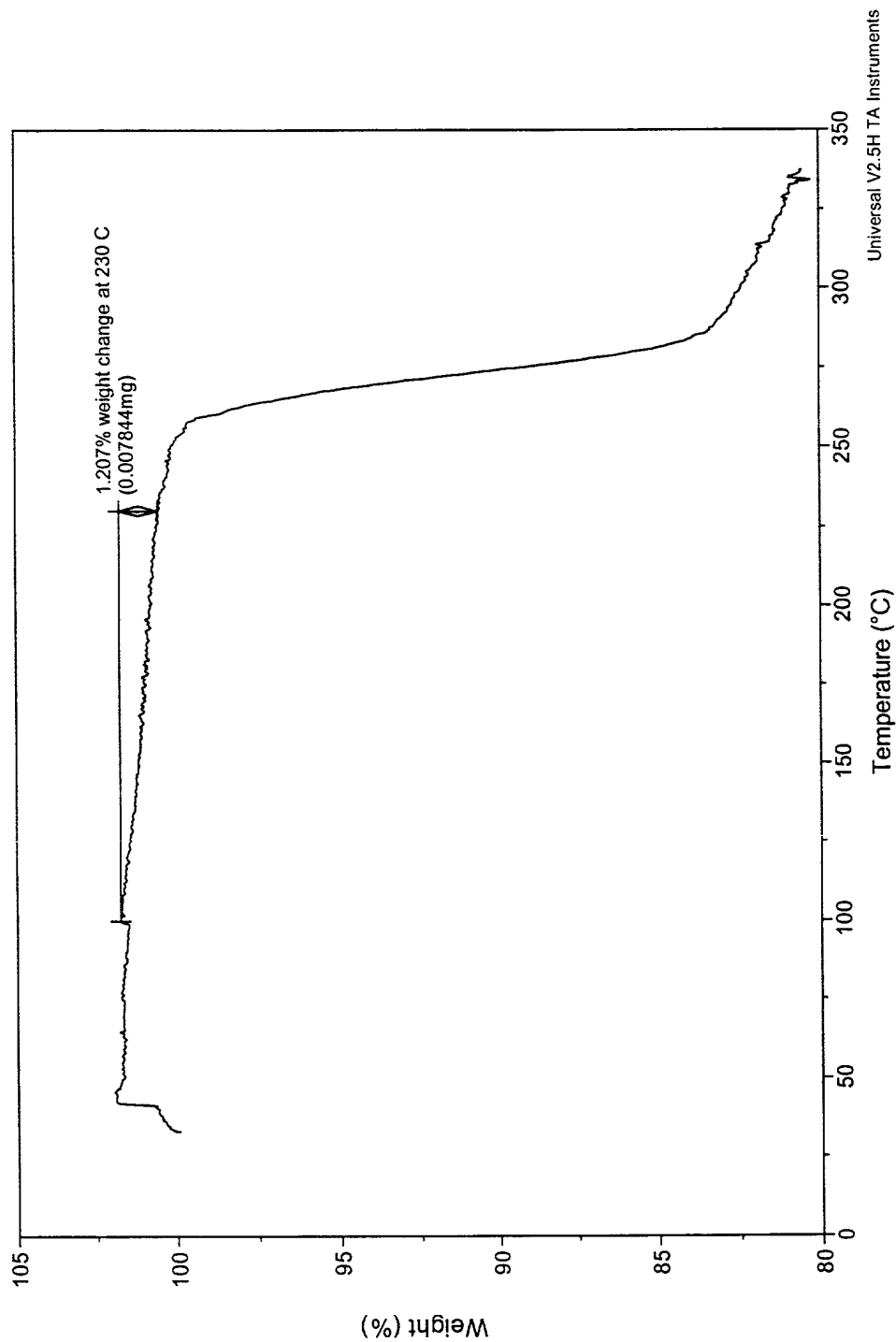


FIG. 22

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 11 12:56:27 2000
 Number of sample scans: 256
 Number of background scans: 256
 Resolution: 4.000
 Sample gain: 8.0
 Mirror velocity: 0.6329
 Aperture: 100.00

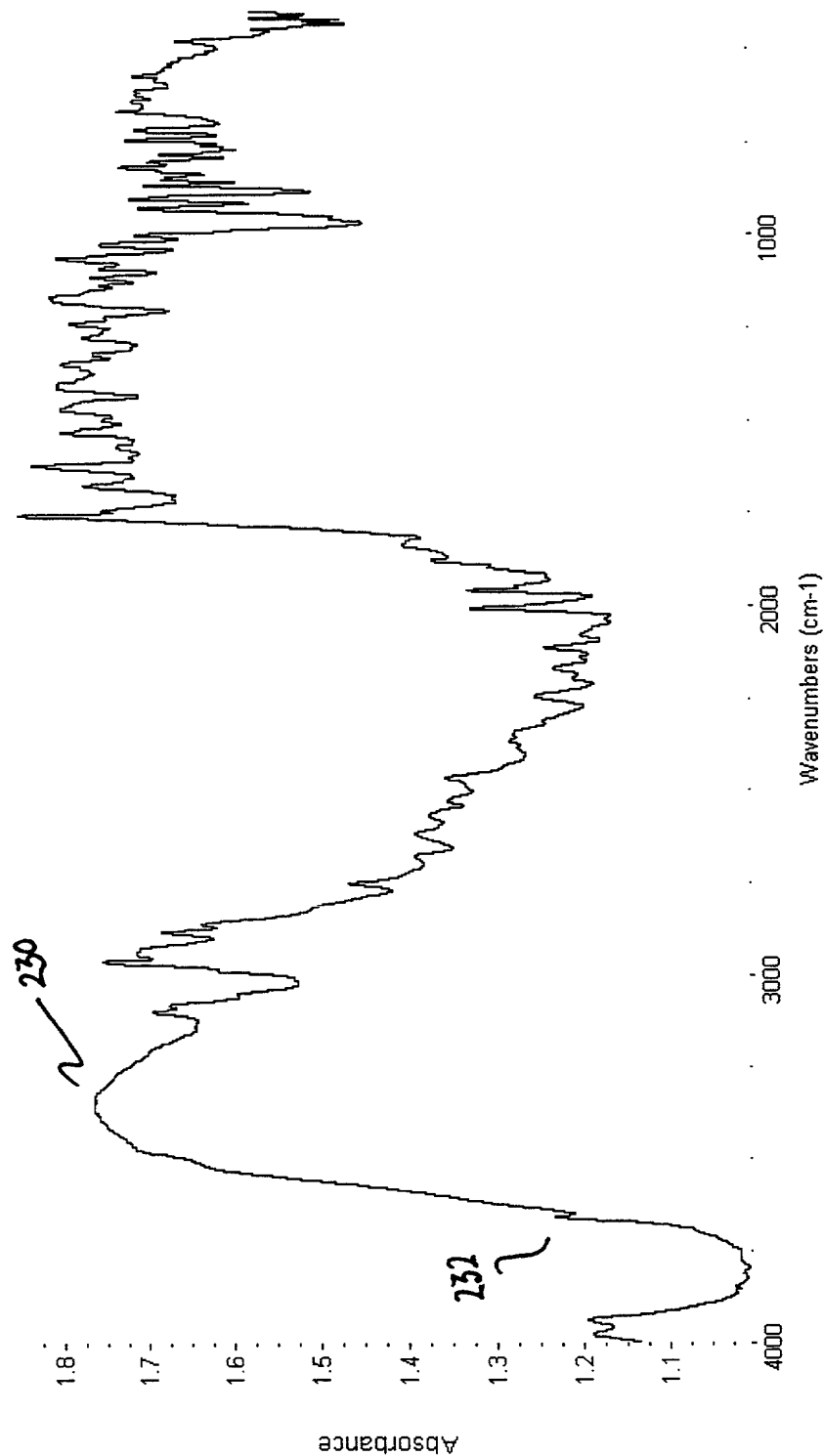


FIG. 23

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 11 13:32:48 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

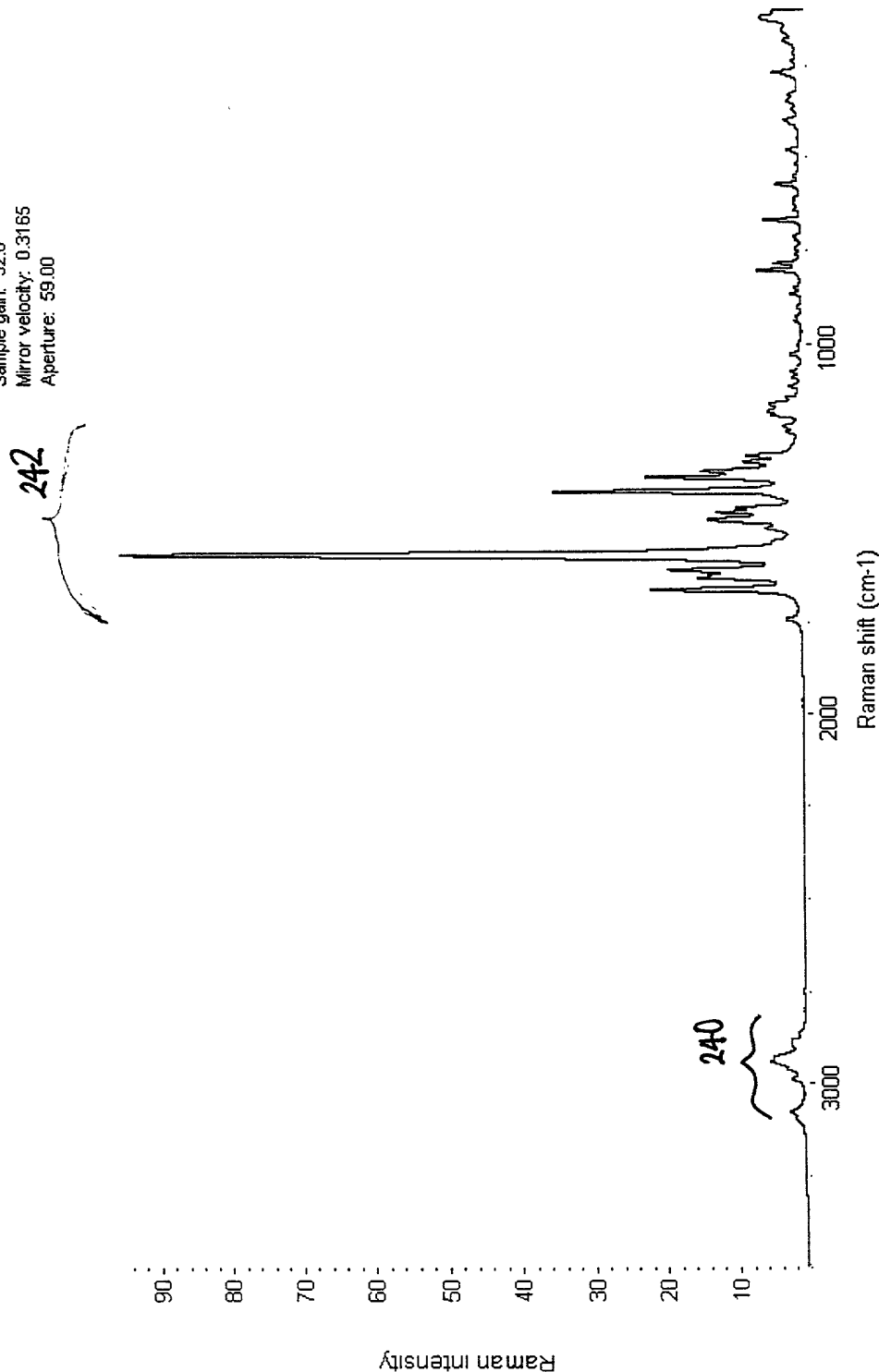


FIG. 24

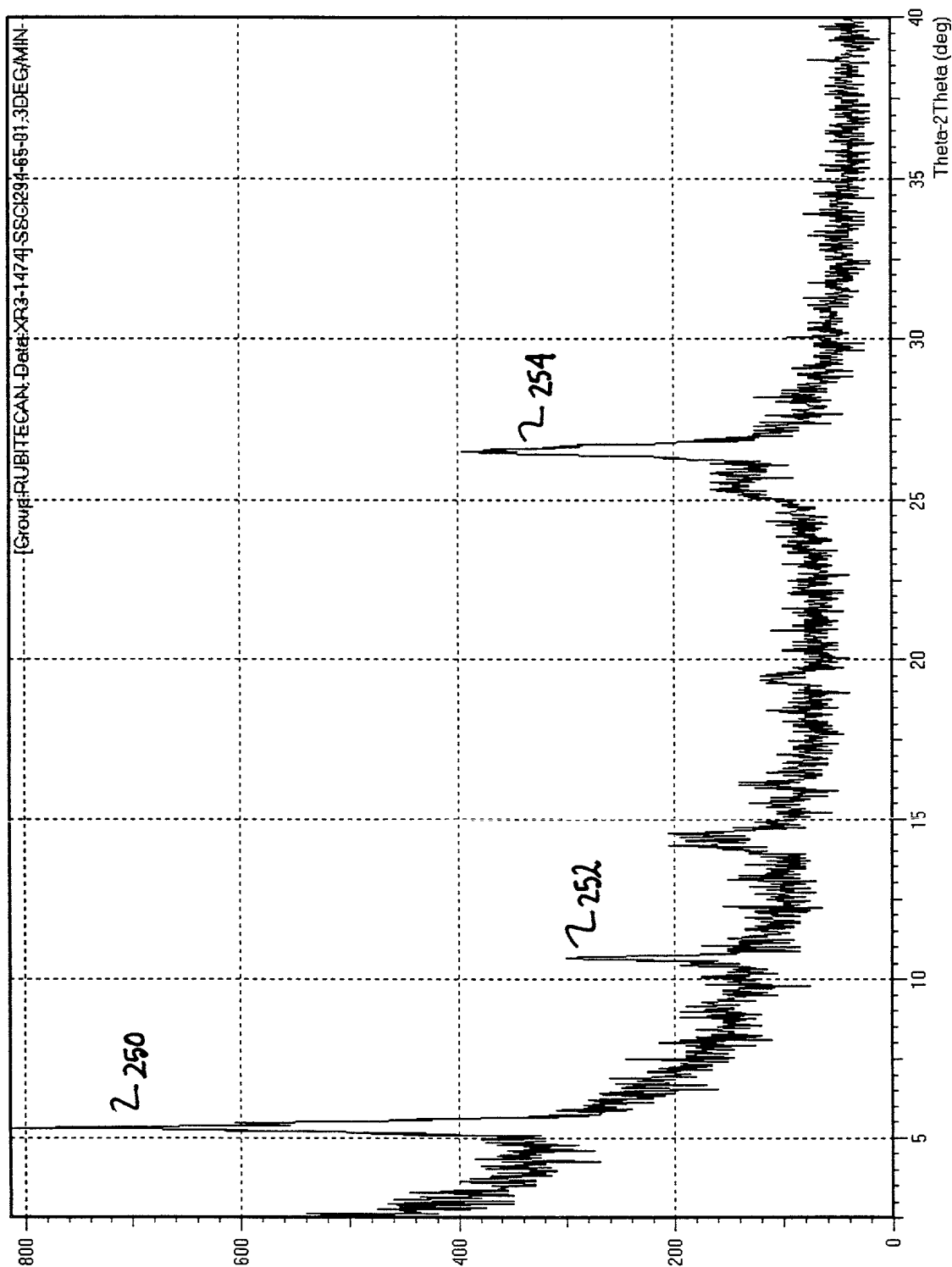


FIG. 25

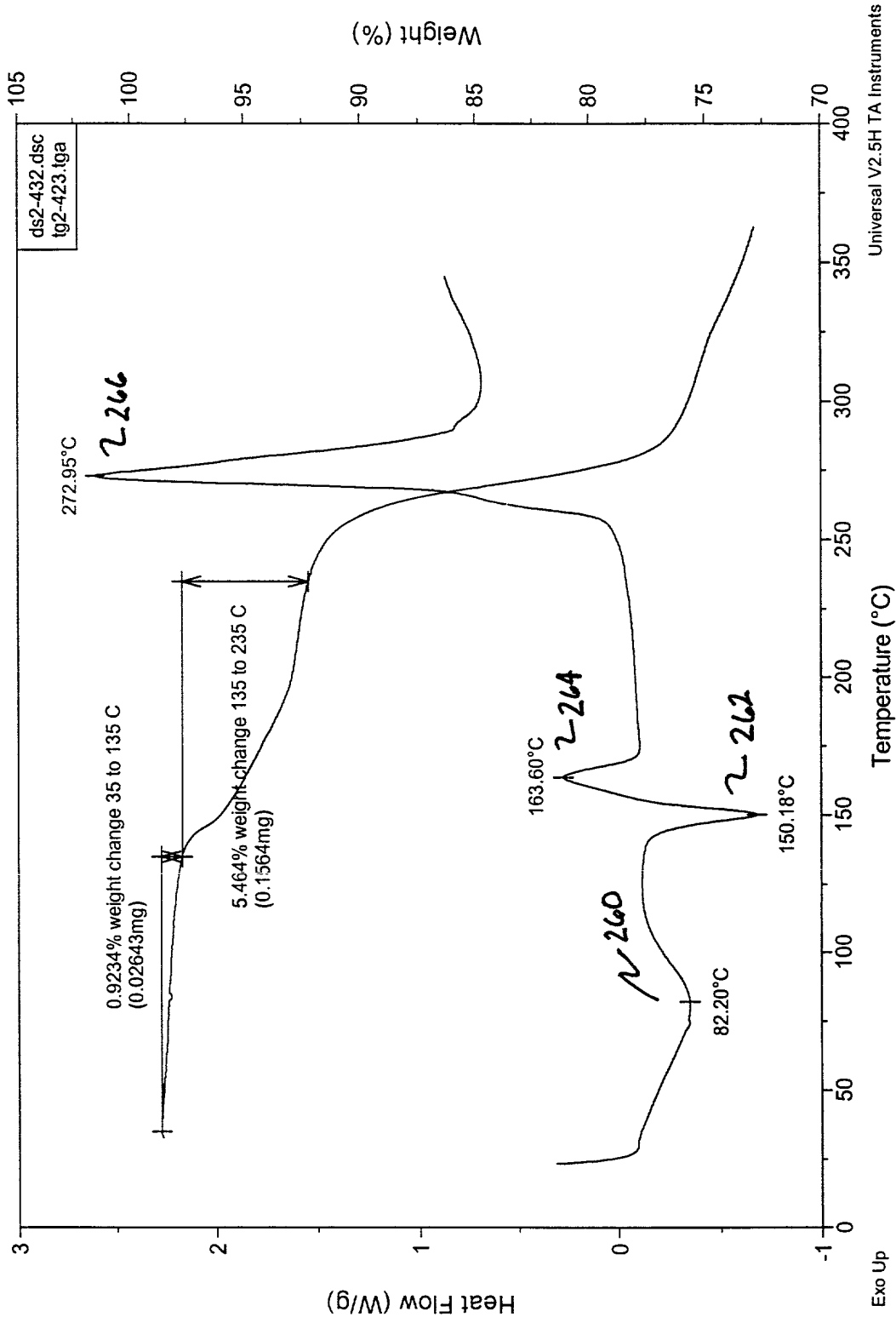


FIG. 26

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 18 20:28:17 2000
 Number of sample scans: 128
 Number of background scans: 128
 Resolution: 2.000
 Sample gain: 8.0
 Mirror velocity: 0.6329
 Aperture: 69.00

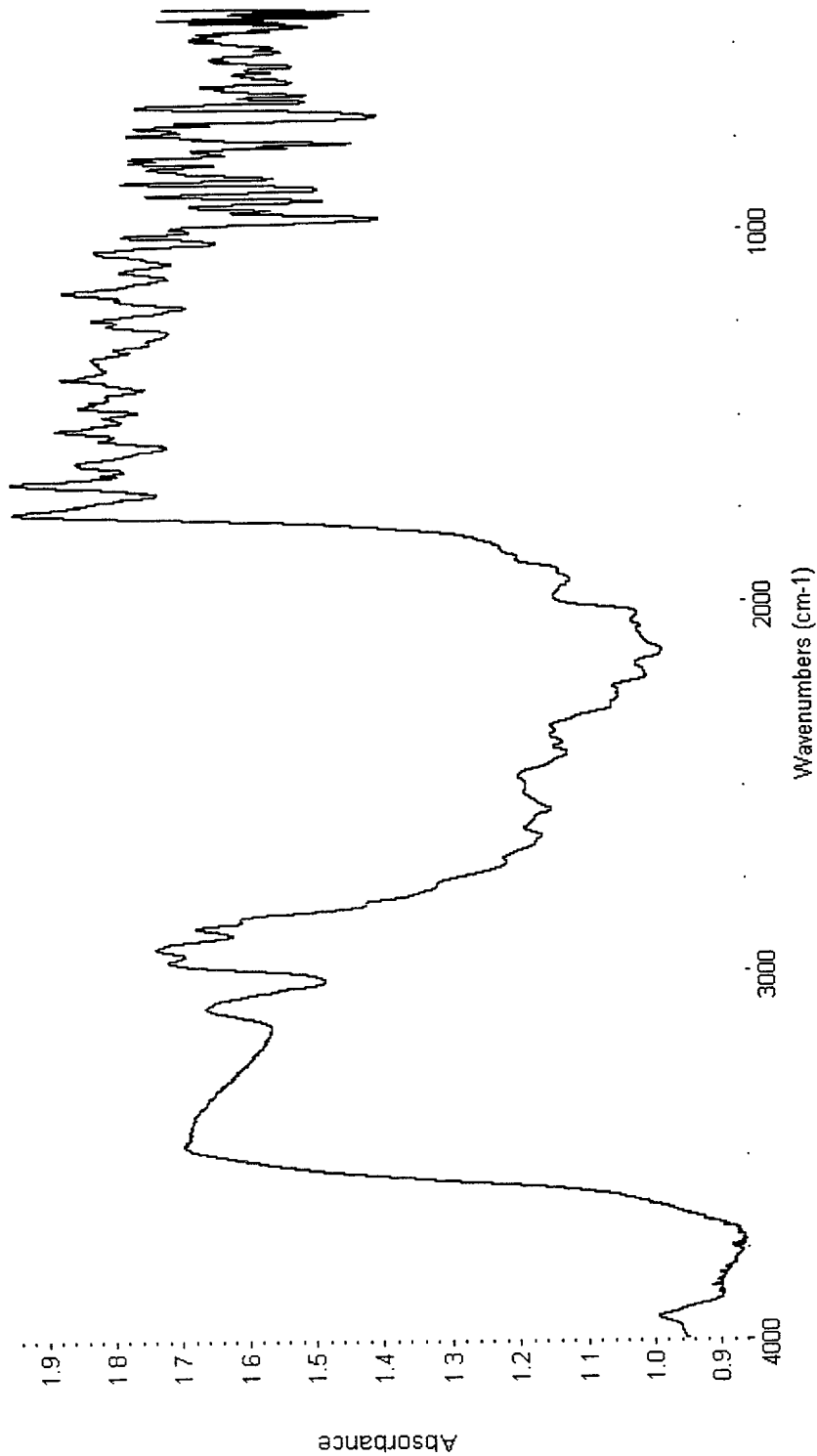


FIG. 27

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 18 21:09:50 2000
 Number of sample scans: 128
 Number of background scans: 0
 Resolution: 4.000
 Sample gain: 4.0
 Mirror velocity: 0.3165
 Aperture: 59.46

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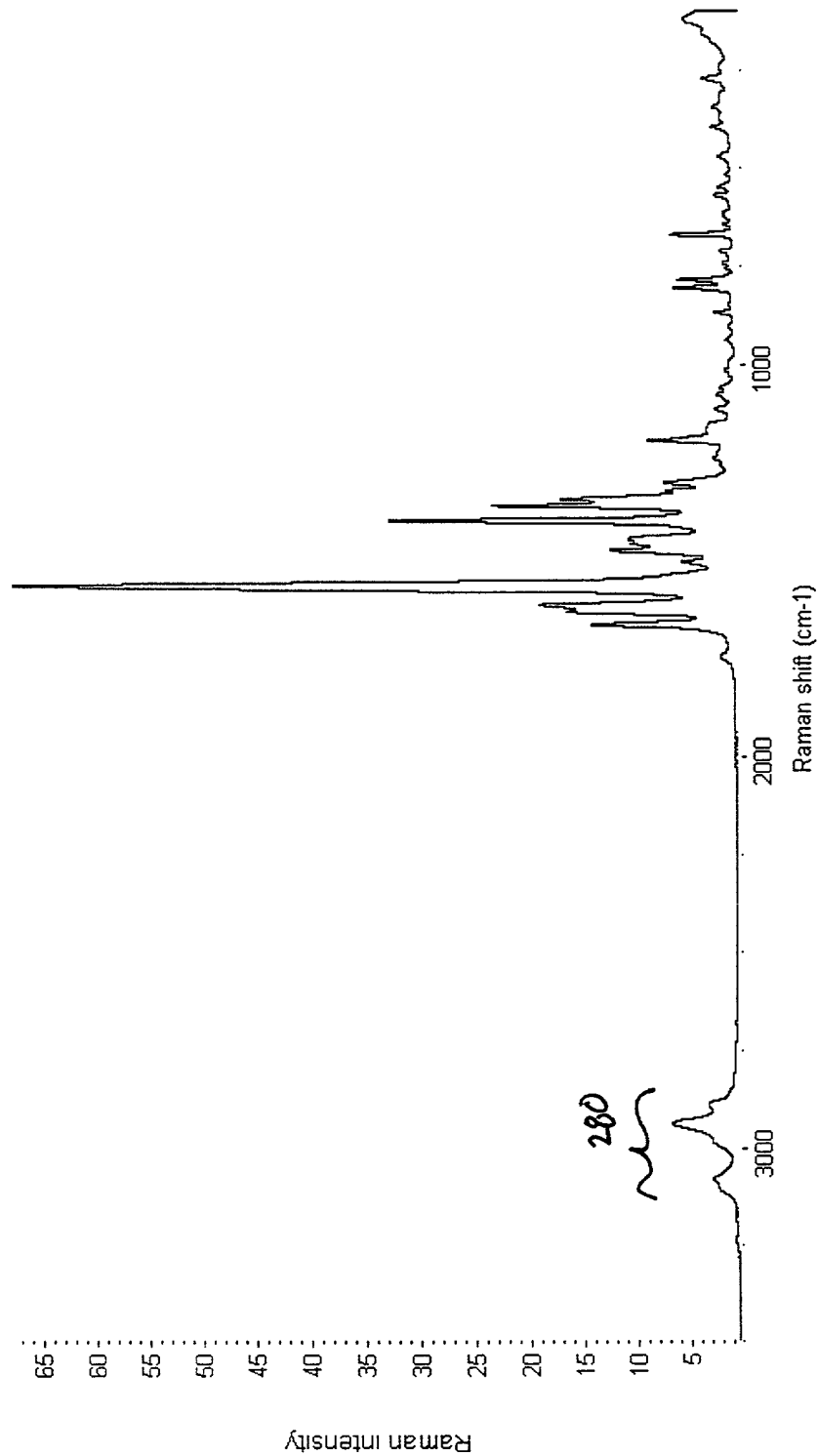


FIG. 28

XRPD Patterns of Rubitecan Solid Forms Containing Amorphous Material.

*** Multi Plot ***

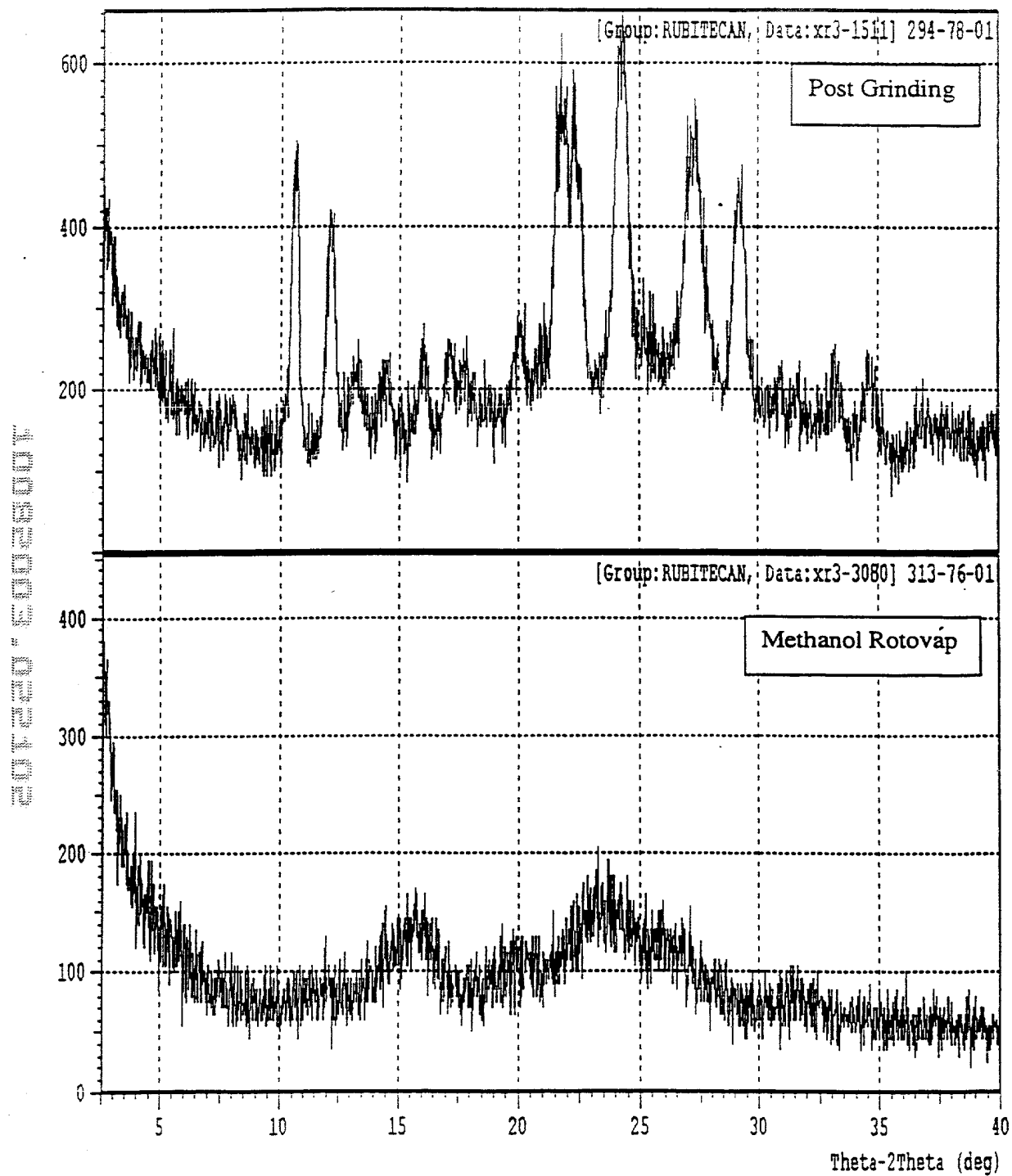


Fig. 29